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Vietnamese parental knowledge of congenital heart defects (CHD): Translation and content valid test of the leuven knowledge questionnaire for congenital heart disease

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Background: The sufficient parental knowledge of CHD is extremely important to prevent complications and positively impact on their children's knowledge level. The Leuven Knowledge of Congenital Heart Disease (LKQCHD) was first developed to measure knowledge for both adult patients and parents of children with CHD.

Objective: The study consisted of two main aims, including to translate and content valid test for the LKQCHD for the use in Vietnam context; and to measure parental knowledge of CHD among Vietnamese parent population.

Method: The study included two phases. Phase 1 was the translation and content valid test of LKQCHD guided by seven steps for translation, adaptation and validation of an instrument for cross-cultural uses. Phase 2 was a cross-sectional study using the questionnaire measuring knowledge of CHD in a sample of 324 parents in Vietnam.

Results: The Vietnamese version of LKQCHD had the minimal average I-CVI of .8 and S-CVI/Ave of .95, except questions 21, 24, 26 and 27. Results showed that most parents had poor knowledge of CHD with the mean percentage of correct answers of 46.6% (Sd=9.7). Most parents had incorrect answers in the use of medication, endocarditis and dental care. Parents who had higher education levels had better knowledge of CHD compared to those with lower education levels ($p<.01$).

Conclusion: The Vietnamese LKQCHD was highly valid. Vietnamese parents had poor understanding regarding the use of medication, endocarditis and dental care. Parental educational level had impacts on knowledge level of CHD.

Biography

Tran Thi Mai Huong was the Head Nurse in the Cardiovascular Department at National Children's Hospital from 2011 to 2015. During that time, she was a Visiting Lecturer in Department of Pediatrics at Hanoi Medical University, Hanoi, Vietnam. In 2015, she left to study in Australia and successfully completed Master's degree in Nursing Science at the Queensland University of Technology in 2017. She has two articles published in the Vietnamese journals in 2017. She is working as a Nursing Educator and Researcher in the Children Heart Center, National Children's Hospital to empower cardiac nursing staff in terms of practice and research skills.

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